Data Sheet
FUJITSU Server PRIMERGY TX1310 M1 Tower Server

The ideal first server

FUJITSU Server PRIMERGY systems provide the most powerful and flexible data center solutions for companies of all sizes, across all industries and for any type of workload. This includes expandable PRIMERGY tower servers for remote and branch offices, versatile rack-mount servers, compact and scalable blade systems, as well as density-optimized scale-out servers. They convince by business proven quality with a wide range of innovations, highest efficiency cutting operational cost and complexity, and provide more agility in daily operations in order to turn IT faster into a business advantage.

Perfect for small and medium businesses as well as branch offices, FUJITSU Server PRIMERGY TX tower systems are robust and cost-efficient servers by providing rock solid reliability. Additionally they are characterized by simple IT operations, low power consumption and quiet operation so that they can be handled by non-technically trained staff and can be used in standard office environments. By the way: Almost all PRIMERGY TX servers can be rack-mounted to offer best flexibility.

PRIMERGY TX1310 M1

The Fujitsu PRIMERGY TX1310 M1 is the ideal first server for small and medium-sized businesses. With plenty of RAM and Intel® Xeon® processor support it offers more than enough performance for all classic server tasks, such as file, print, web or office applications. The small tower server is build for reliable 24/7 operation and guarantees data safety by high-end features like ECC memory and an onboard RAID controller. Thanks to the screwless chassis and Fujitsu's Easy Rails for hard disks the server is easy to service. Moreover, the PRIMERGY TX1310 M1 is incredibly silent making it an excellent choice for any office environment.

Features & Benefits

Main Features	Benefits
Cost effective performance	
■ Intel® Xeon® E3-1200 v3 product family with up to 4 cores ■ Up to 32 GB ECC memory (4 DIMMs) and 4 PCIe slots	■ Provides more than enough performance for small and medium-sized businesses ■ Ideal for all classic server tasks, such as file, print, web or office applications
24/7 reliability at the best price	
■ Up to 4x 3.5-inch non-hot plug SATA storage drives and support for RDX backup devices ■ 4 PCIe Gen2/3 slots for e.g. additional LAN or graphics cards ■ 2x onboard Gigabit LAN ■ Error-correcting code (ECC) memory	■ High storage capacity for even larger file sets in combination with professional data backup ■ Supports special solutions like control or telephone systems ■ Redundant LAN connection for higher reliability ■ Data safety like in high-end server systems
Silent, compact, and easy to service	
■ Low noise emissions through optimized air flow and Fujitsu's Cool-Safe© technology ■ Compact chassis ■ Screwless chassis and "Easy Rails" for hard disks	■ Silent operation for use in offices or showrooms ■ So small and silent that it might even be placed under desks ■ Easy, fast and comfortable access to the interior of the server, the hard disks and the PCI slots

Technical details

PRIMERGY TX1310 M1		
Base unit	PRIMERGY TX1310 M1 LFF	PRIMERGY TX1310 M1 Essential Edition
Housing types	Tower	Tower
Storage drive architecture	3.5-inch	3.5-inch
Power supply	Standard	Standard
Mainboard		
Chipset	Intel® C226	
Mainboard type	D 3219	D 3219-B
Processor quantity and type	1 x Intel® Celeron® processor Intel® Core™ i3 processor Intel® Pentium® processor Intel® Xeon® processor E3-1200v3 product family	1 x Intel® Celeron® processor Intel® Pentium® processor
Processor notes		Essential Edition does not support Intel® Xeon® and Core i3 processors
Processor	Intel® Celeron® processor G1820 (2C/2T, 2.70 GHz, TLC: 2 MB, Turbo: No, 1,333 MHz, 54 W)	
	Intel® Core™ i3-4330 processor (2C/4T, 3.50 GHz, TLC: 4 MB, Turbo: No, 1,600 MHz, 54 W)	
	Intel® Pentium® processor G3420 (2C/2T, 3.20 GHz, TLC: 3 MB, Turbo: No, 1,600 MHz, 54 W)	
	Intel® Xeon® processor E3-1226v3 (4C/4T, 3.30 GHz, TLC: 8 MB, Turbo: Yes, 1,600 MHz, 84 W)	
	Intel® Xeon® processor E3-1246v3 (4C/8T, 3.50 GHz, TLC: 8 MB, Turbo: Yes, 1,600 MHz, 84 W)	
Memory slots	4	2
Memory slot type	DIMM (DDR3)	DIMM (DDR3)
Memory capacity (min. - max.)	2 GB - 32 GB	2 GB - 16 GB
Memory protection	ECC	ECC
Memory options	4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, single rank	
	8 GB (1 module(s) 8 GB) DDR3, unbuffered, ECC, 1,600 MHz, PC3-12800, DIMM, dual rank	
Interfaces		
USB 2.0 ports	4 (4x rear)	
USB 3.0 ports	5 (2x front, 2x rear,1x internal for backup device)	
Graphics (15-pin)	1 x VGA (Intel iGfx prozessor graphics)	
Serial 1 (9-pin)	1 x RS232	
LAN / Ethernet (RJ-45)	2 x Gbit/s Ethernet	
I/O controller on board		
Serial ATA total	6	
RAID controller	4 port SATA with RAID 0/1/10 for HDDs	
SATA Controller	Intel® C226	
LAN Controller	Intel® i217 + Intel® i210 onboard, 2 x 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server, Teaming supported	
Trusted Platform Module (TPM)	Infineon / 1.2 (option)	

Slots		
PCI-Express 3.0 x8	2 x notched supporting x16 card	2 x notched supporting x16 card
PCI-Express 2.0 x1 (mech. x4)	1 x	0 x
PCI-Express 2.0 x4 (mech. x8)	1 x	0 x

Drive bays	
Storage drive bay configuration	4x 3.5" easy change SATA
Notes accessible drives	2 (1 bay is occupied by DVD/DVD-RW, 3.5-inch)
General software information	
Fan configuration	Silent system fans
Fan notes	Non hot-plug
Operating panel	
Operating buttons	On/off switch
Status LEDs	Power (green)
Operating Systems and Virtualization Software	
Certified or supported operating systems and virtualization software	Microsoft® Hyper-V Server 2012 R2 Microsoft® Windows Server® 2012 R2 Datacenter Microsoft® Windows Server® 2012 R2 Standard Microsoft® Windows Server® 2012 R2 Essentials Microsoft® Windows Server® 2012 R2 Foundation Microsoft® Windows Storage Server 2012 R2 Standard Microsoft® Hyper-V Server 2012 Microsoft® Windows Server® 2012 Datacenter Microsoft® Windows Server® 2012 Standard Microsoft® Windows Server® 2012 Essentials Microsoft® Windows Server® 2012 Foundation Microsoft® Windows Storage Server 2012 Standard Microsoft® Hyper-V™ Server 2008 R2 Microsoft® Windows Server® 2008 R2 Datacenter Microsoft® Windows Server® 2008 R2 Enterprise Microsoft® Windows Server® 2008 R2 Standard Microsoft® Windows Server® 2008 R2 Foundation SUSE® Linux Enterprise Server 11 Red Hat® Enterprise Linux 7 Red Hat® Enterprise Linux 6 Red Hat® Enterprise Linux 5
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=d4ebd846-aa0c-478b-8f58-4cfbf3230473
Operating system notes	Support of other Linux derivatives on demand Red Hat® certification starting with version 5.9 / 6.4.
Server Management	
Standard	ServerView Suite - Deploy SV Installation Manager
Option	ServerView Suite - Integrate Integration pack for Fujitsu ManageNow® solution
Dimensions / Weight	
Floor-stand (W x D x H)	175 x 419 x 395 mm
Weight	up to 14 kg
Environmental	
Operating ambient temperature	10 - 35 °C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
Operating environment	FTS 04230 – Guideline for Data Center (installation specification)
Operating environment link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Noise emission	According to ISO9296
Sound pressure (LpAm)	23 dB(A) (idle)/ 24 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	4.0B (idle)/ 4.0B (operating)
Noise notes	Noise emissions and operation modes depend on system configuration.

Electrical values	
Power supply configuration	1
Power supply efficiency	85 % (80 PLUS bronze)
Standard power supply output	250 W
Rated voltage range	100 V - 127 V / 200 V - 240 V
Rated frequency range	50 Hz - 60 Hz
Rated current max.	100 V – 240 V / 3.5 – 1.5 A
Rated current in basic configuration	100 V – 240 V / 1,5 – 0,6 A
Active power (min. configuration)	22 W
Active power (max. configuration)	209 W
Active power note	To estimate the power consumption of different configurations use the Power Calculator of the System Architect: http://configurator.ts.fujitsu.com/public/
Apparent power (max. configuration)	211 VA
Heat emission	752.4 kJ/h (713.1 BTU/h)

Compliance	
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Germany	GS
Europe	CE Class A *
USA/Canada	CSA us ULc/us FCC Class A
Japan	VCCI Class A
South Korea	KC
China	CCC (planned)
Australia/New Zealand	C-Tick (AS / NZS CISPR 22 Class A)
Compliance link	http://globalsp.ts.fujitsu.com/sites/certificates
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request. * Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Components

Storage drives	HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, non hot plug, 3.5-inch, economic
	HDD SATA, 6 Gb/s, 500 GB, 7,200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 250 GB, 7,200 rpm, non hot plug, 3.5-inch, economic
	HDD SATA, 6 Gb/s, 3 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 2 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
	HDD SATA, 6 Gb/s, 1 TB, 7,200 rpm, non hot plug, 3.5-inch, business critical
Backup Drives	RDX Drive, 320 GB, 500 GB, 1 TB , 25 MB/s, half height, USB 3.0
Optical drives	Blu-ray Disc™ Triple Writer, (6x BD-ROM ; 8x DVD; 24x CD), slimline, SATA I
	DVD-ROM, (16xDVD; 48xCD), half height, SATA I
	DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I
Communication, Network	Ethernet Ctrl. 1 x 1 Gbit/s PCIe 1.1 x1 (Intel®)
	Ethernet Ctrl. 2 x 1 Gbit/s PCIe 2.1 x4 (Intel®)
Graphics add on cards	NVIDIA® Quadro® NVS 300, PCIe x1, 2x DVI/VGA

Warranty	
Standard Warranty	1 year
Service level	Onsite Service (depending on country)
Warranty Terms & Conditions	http://support.ts.fujitsu.com/warranty/Index.asp?LNG=COM

Maintenance and Support Services - the perfect extension

Support Pack Options	Globally available in major business areas: 9x5, Next Business Day Onsite Response Time 9x5, 4h Onsite Response Time 24x7, 4h Onsite Response Time
Recommended Service	24x7, Onsite Response Time: 4h
Service Lifecycle	5 years after end of product life
Service Weblink	http://www.fujitsu.com/fts/services/support

More information

Fujitsu OPTIMIZATION Services

In addition to Fujitsu PRIMERGY TX1310 M1, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY TX1310 M1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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